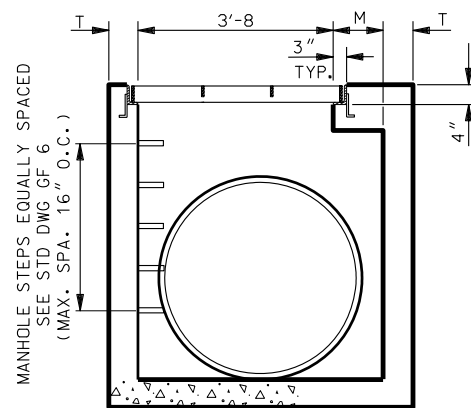
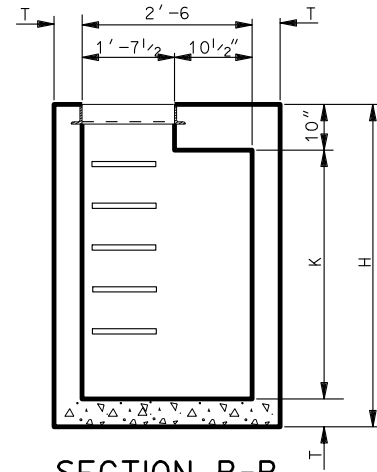


PLAN



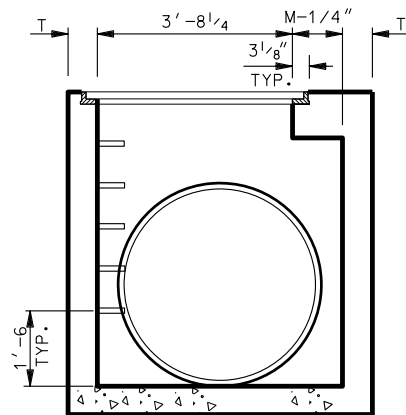
SECTION A-A



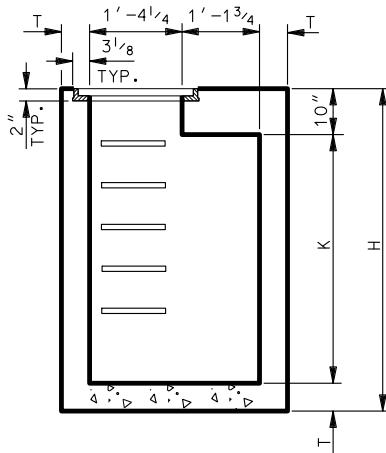
SECTION B-B

CATCH BASIN

GRATE AND FRAME APPLICATION

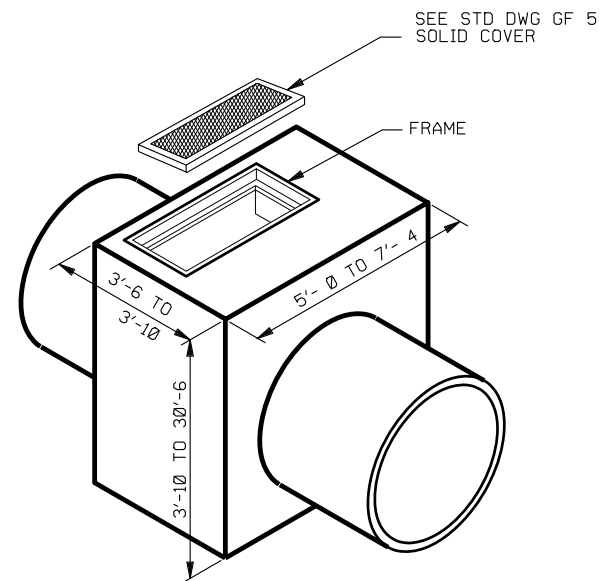
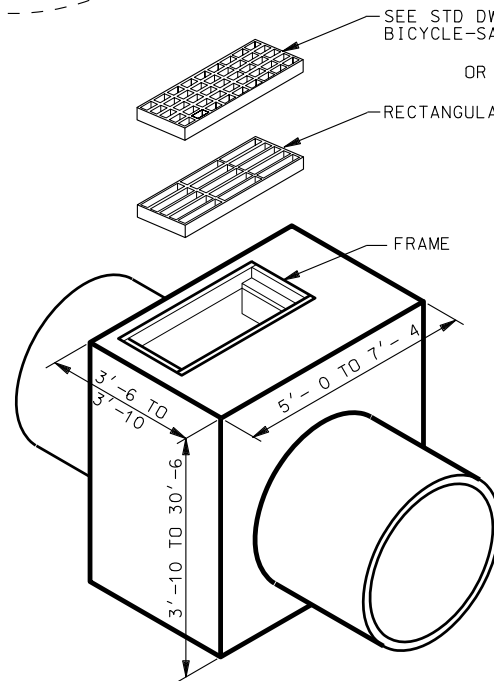


SECTION A-A



SECTION B-B

CLEANOUT BOX



NOTES:

1. USE COATED DEFORMED REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. FIELD CUT AND BEND REINFORCING STEEL AS NECESSARY TO CLEAR PIPES AND MAINTAIN 2" COVER. REPAIR ANY DAMAGE OR CUTS TO THE EPOXY COATING ON REINFORCING BARS.
3. USE CLASS AA (AE) CONCRETE.
4. USE TYPE II CEMENT (LOW ALKALI).
5. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL.
6. FOR NUMBER, LOCATION, AND SIZE OF PIPE SEE ROADWAY PLANS.
7. CENTER PIPE IN BOX OPENING. USE APPROVED NON-SHRINK GROUT TO SEAL OPENING AROUND PIPE OR USE APPROVED PIPE MANUFACTURER'S PIPE BOOT.
8. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
9. FOR GRATE AND FRAME SEE STD DWG GF 3 AND GF 5.
10. FOR CURB AND GUTTER APPLICATION ADJUST FINISHED GRADE ELEVATION OF BOX AS REQUIRED. INCLUDE CONCRETE QUANTITIES FOR CURB AND GUTTER IN ROADWAY QUANTITIES.
11. USE 8" LONG, #4 BARS @ 8" O.C. MAX. OR EXTEND BOX REBARS 4" INTO THE CURB AND GUTTER, TO ATTACH CURB AND GUTTER TO BOX.

DESIGN DATA

HS 20 STANDARD SPECIFICATION FOR HIGHWAY
BRIDGES 17TH EDITION.

STRUCTURAL STEEL	$F_s = 20,000$ psi
STRUCTURAL CONCRETE	$f_c = 1,400$ psi
	$F_s = 24,000$ psi
	$n = 8$

QUANTITIES

STRUCTURAL CONCRETE REINFORCING STEEL — SEE SCHEDULE OF INSTALLATION

INDEX OF SHEETS

(CB 10A) 1- SITUATION & LAYOUT
(CB 10B) 2- SECTION DETAILS
(CB 10C) 3- SCHEDULE OF INSTALLATION
FOR 42"-60" RCP. 48"-72" CMP.

[illegible]

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL

CHAIRMAN STANDARDS COMMITTEE

JAN. 01, 2008

DATE

DEPUTY DIRECTOR

DATE

JAN.01,2008

STANDARD CATCH BASIN AND CLEANOUT BOX SITUATION AND LAYOUT

STANDARD DRAWING TITLE

STD DWG
CB 10A